

Citizen Monitoring in the Truckee Watershed

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Truckee River Watershed Council

Truckee River Aquatic Monitors

- Baseline information and long-term monitoring to assess overall condition of the Truckee River and tributaries
- Promote stewardship through educating community members about water quality and related topics

Truckee River Watershed Council

The Truckee River Watershed Council was founded in May 1998 to implement locally developed public-private collaborative solutions to protect and improve water quality and biological resources for the sustainable environmental and economic health of the Truckee River watershed

TRAM Field Methods

- Sample 5-7 streams in summer
- Reach = 5 riffles, sample 3
- Scrub 6ft² per riffle
- Repeat ~ 20% streams each year



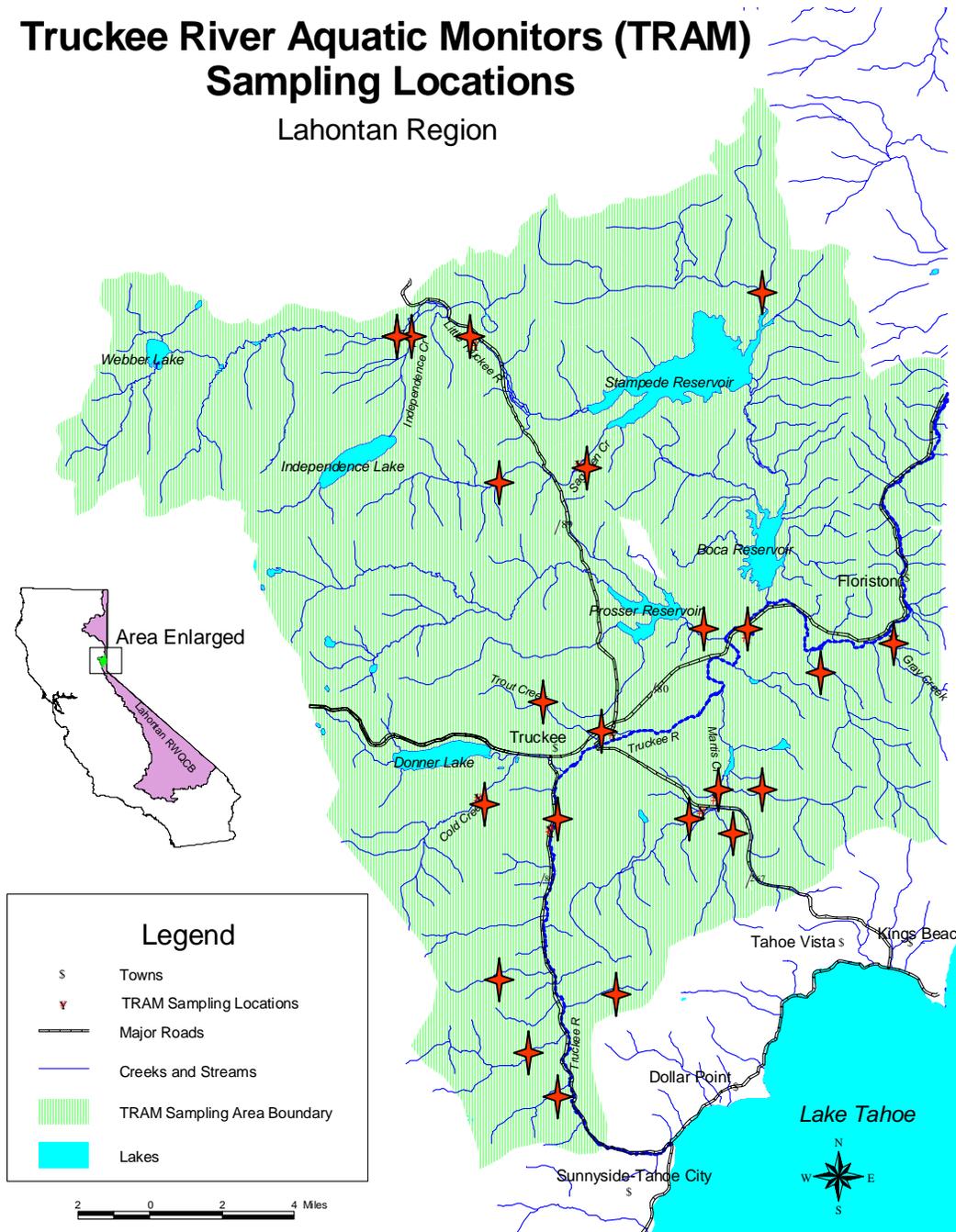
TRAM Lab Methods



- Count and ID samples from 2-4 streams
- Remainder sent for professional ID
- In-house ID to family, N=300
- QA/QC procedure

Truckee River Aquatic Monitors (TRAM) Sampling Locations

Lahontan Region



Data uses

- Basic metrics calculated
- Used by other TRWC programs
 - Identify restoration projects
 - Monitor restoration projects
 - Snapshot Day priorities

Data uses

- Provide information to stakeholders
 - Truckee River TMDL
 - Gray Creek TMDL
 - General interest from public, landowners

Value of Citizen Groups

- Volunteers have local knowledge of watershed
- Regulators can't be everywhere
- Provide early indication of problems
- Cost effective means for restoration monitoring
- Education